

THE NAUTILUS.

Vol. XI.

DECEMBER, 1897.

No. 8.

NEW WEST AMERICAN SHELLS.

BY W. H. DALL.

Sigaretus Oldroydii Dall, n. sp.

Shell large, thin, naticoid, with a short spire and 3-4 inflated whorls; color pale brown, livid on the spire, fading to waxen on the base; surface sculptured with extremely fine wavy spiral striæ; aperture ample, oblique, the outer lip thin, a little patulous, the body covered with a thin callus, the pillar lip obliquely cut away, wide near the junction with the body, the basal part of the margin receding; umbilicus large, pervious, its walls covered with a thin, silky, brown wrinkled epidermis. Alt. 35, diam. 37 mm.

A single specimen in deep water off Catalina Id., Cala., collected by Mr. and Mrs. T. S. Oldroyd.

This species is easily distinguished from any other recorded, by its very thin shell, naticoid form and wide pervious umbilicus.

Pecten Palmeri Dall, n. sp.

Shell thin, orbicular, compressed, equilateral, white to yellowish-brown, with concentric or zig-zag narrow bands or flecks of dark rose color; 15 strong ribs rounded in the young, mesially keeled and longitudinally threaded in the adult, separated by narrower channelled interspaces, each with a mesial thread; all crossed by lamellose, concentric, rather sparsely distributed elevated lines; sub-margins and ears closely radially threaded with imbricated threads. Both valves similarly sculptured; alt. 47.5, lat. 53, diameter about 20 mm.

A number of valves collected near the head of the Gulf of California by Dr. E. Palmer some years ago.

Pecten Randolphi Dall, n. sp.

Shell small, thin, glassy, unsculptured, except by minute "camp-tonectes" striation which covers both valves, and more or less obscure concentric undulations which are most distinct on the right valve near the umbo, and in some specimens altogether absent; hinge straight and short, anterior ears distinct, posterior ears not defined by any fold or sinus, outline suborbicular, valves compressed, especially the right one; right anterior ear with six small imbricated radii above, below a wide, transversely striated fasciole derived from a well marked byssal sinus; ctenolium with four or five functional spines. Alt. 27.5, lat. 26, diam. 5 mm.

Off Destruction Island, State of Washington, in 516 fathoms, bottom temperature, 38° Fahr., U. S. Fish Commission.

This species was obtained at a number of stations, from Bering Sea to West Mexico, in 225 to 1005 fathoms. It is named in honor of Mr. P. B. Randolph, of Seattle, who has done excellent work on the Puget Sound fauna.

Pecten Davidsoni Dall, n. sp.

Shell small, suborbicular, compressed, waxen white, the left valve with 21 rounded ribs, surmounted by (when not worn off) continuous rows of minute subglobular scales, the interspaces wider, flat and perfectly smooth, ears very small, the anterior with five or six imbricated radii; sculpture obsolete near the umbones; right valve sculptured with faint concentric impressed lines over the whole surface, and distally with numerous minute, obsolete, fine, scaly riblets; posterior ear transversely striated, very small, anterior one with four or five scaly radii, a well marked sinus leaving an imbricated fasciole and no ctenolium. Interior polished, the left valve fluted internally in harmony with the external ribs. Alt. 14, lat. 14, diam. 3.5 mm.

On the Davidson Bank, Alaska, in 280 fathoms, green mud, and north of Unalaska, in Bering Sea, in 351 fathoms, sand; U. S. Fish Commission.

This little shell resembles somewhat *P. (Propeamusium) alaskensis* Dall, externally, but wants the radiating liræ internally, is smaller, and has faint radiating sculpture on the right valve, which is wanting in *P. alaskensis*.